Figure 1A

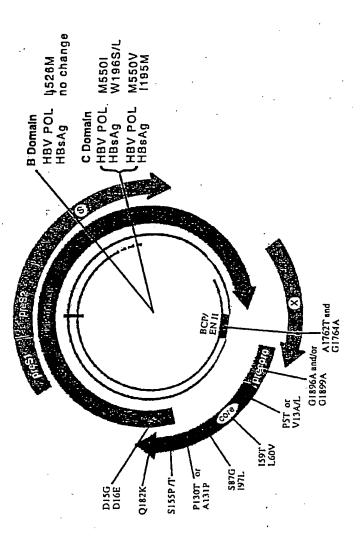


Figure 1B

430 440 450 (421) 422 SNDLSWLSLD VSAAFYHIPPL HPAAMPHLLIV GSSGLPSRYVA Domain A

HBsAg G112R	T123P	Y/F134	S	D144E G145R
460	470	480	490	
464 466	477	488		499
$RLSS_{N}S_{N}NI*N$	$N_{YH}Q_{H}G_{R} \star \star \star D_{N}LH$	DNYSCSRDOLYVS	LLMLLY	K _O TY _F GR _W

HBsAq 500 520 510 512 519 523/524/526/528/530 KLHLYLSAHPIIV LGFRKILPMGVG GLSPFLLAQF TSAICLSAVMVTRCR Domain B

	W196L	W1995	
HBSAq	M1951/S196W M	198I S204T	5210R
540	550	560	· · · · · · · · · · · · · · · · · · ·
546	550 553	559	565
AFFPHCLVAVFS	AY MDDVLMVI	GAK _R s _T V _G Q _E H	L _{SR} ES _F LY _F T _A S _A
	Domain C	•	
570	580	590	
575	•		
$I_V I_C N_S I_V L L_S D L$	vGI HLNPNQK	TKRW GYSLN	FMGYI _V I G .
-	Domain D	I	omain E

Figure 2

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313780/HBVAYWMCG 221499/HPBADW3 59439/HBVAYWE 59418/HBVADW2 59429/HBVAYWC 59408/HBVADRM 59404/HBVADR4 329640/HPBAYW 62280/XXHEPAV 221500/HPBCG

229417/HPBADW1

313780/HBVAYWMCG 229417/HPBADW1 59418/HBVADW2 59439/HBVAYWE 59429/HBVAYWC 59404/HBVADR4 329640/HPBAYW 59408/HBVADRM

329616/HPBADR1CG

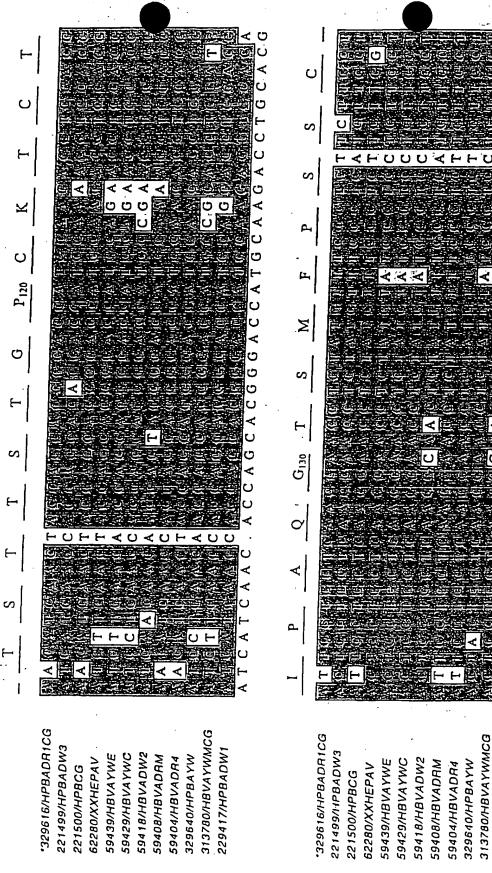
221499/HPBADW3

62280/XXHEPAV

221500/HPBCG

P. Es E. Coll. to the form the first first

Figure 3



h has the has the true and

Figure 3 continued

16

229417/HPBADW1

221499/HPBADW3

Figure 3 continued

313780/HBVAYWMCG 221499/HPBADW3 229417/HPBADW1 59439/HBVAYWE 59429/HBVAYWC 59418/HBVADW2 59408/HBVADAM 62280/XXHEPAV 59404/HBVADR4 329640/HPBAYW 221500/HPBCG

He had had be took they had the In A.D. don't his first from A.

229417/HPBADW1

329640/HPBAYW 59404/HBVADR4

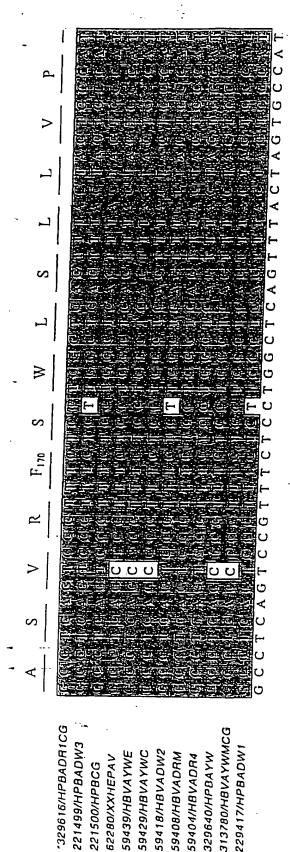
59418/HBVADW2

59408/HBVADAM

59429/HBVAYWC

59439/HBVAYWE

62280/XXHEPAV 221500/HPBCG



W 191 V 190 S

.329616/HPBADR1CG

221499/HPBADW3

59418/HBVADW2

59408/HBVADRM

59439/HBVAYWE 59429/HBVA YWC

62280/XXHEPAV

221500/HPBCG

Figure 3 continued

229417/HPBADW1

329640/HPBAYW

59404/HBVADR4

The last than had then had

 S_{210}

*329616/HPBADR1CG 313780/HBVAYWWCG 221499/HPBADW3 229417/HPBADW1 59439/HBVAYWE 59429/HBVAYWC 59418/HBVADW2 59408/HBVADAM 62280/XXHEPAV 329640/HPBAYW 59404/HBVADR4 221500/HPBCG

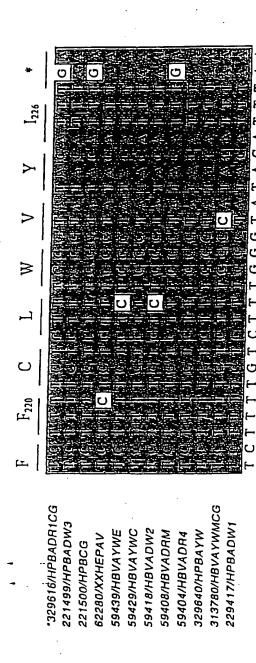


Figure 3 continued

1

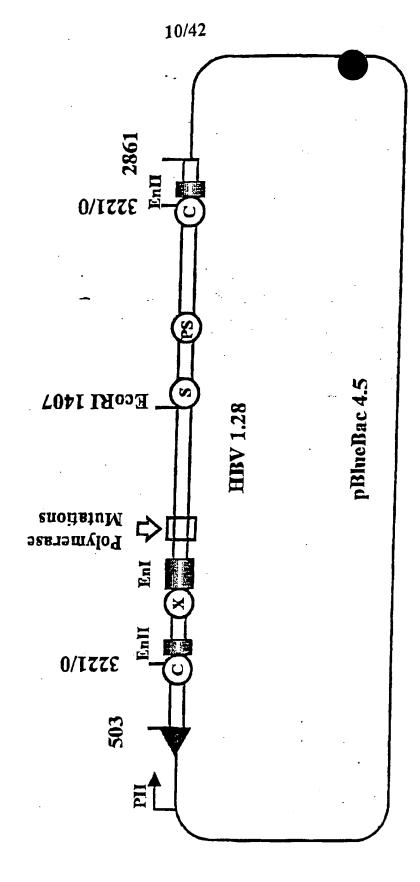


Figure 4A

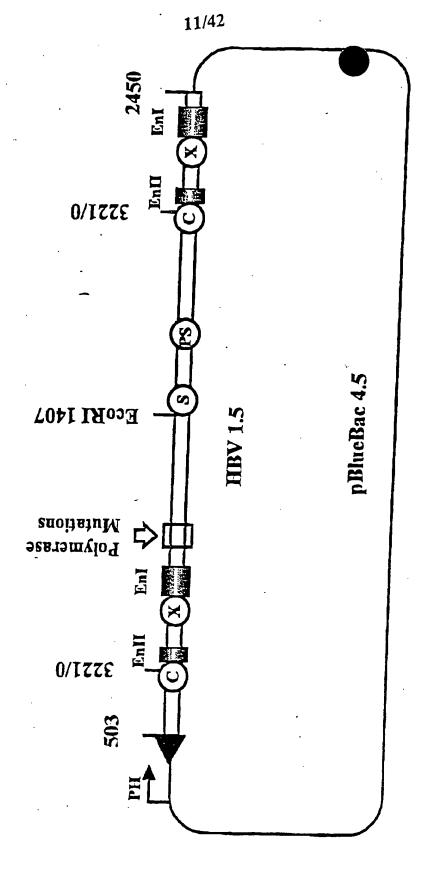


Figure 4B

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Sequence Range: 1 to 4084

Figure 5A

3710	3720	3730	3740	3750	
GCTACTGTGGAG	TACTCTCGT1	TTTGCCTTCT	GACTTCTTTC	CCTTCCGT	
•					
3760	3770	4	3790	3800	
CAGAGATCTCCTA	AGACACCGCCI	CAGCTCTGTA	TCGAGAAGCC	TTAGAGT	
3810	3820	3830	3840	3850	
CTCCTGAGCATTG	CTCACCTCAC	CATACTGCAC	TCAGGCAAGC	CATTCTC	
3860	3870	3880	3890	3900	
TGCTGGGGGGAAI	TGATGACTCT	AGCTACCTGG	GTGGGTAATA	ATTTGGA	
_					
3910	` . 3920	3930	3940	3950	
AGATCCAGCATCCAGGGATCTAGTAGTCAATTATGTTAATACTAACATGG					
3960		3980		4000	
GTTTAAAGATCAGGCAACTATTGTGGTTTCATATATCTTGCCTTACTTTT					
4010				4050	
GGAAGAGACTGTACTTGAATATTTGGTCTCTTTCGGAGTGTGGATTCG					
		4080			
CACTCCTCCAGCC'	TATAGACCACO	CAAATGCCCCI			

Figure 5A continued

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Sequence Range: 1 to 4496

	10	. 20	30	40	5
GATAT	CCTGCCTTA	ATGCCTTT	GTATGCATGT:	ATACAAGCTA	AACAGGC:
	60	70	80	90	100
TTCACT	TTCTCGCC	AACTTACAA	AGGCCTTTCTA	AAGTAAACAG1	TACATGA
	110	120	130	140	150
CCTTTA	CCCCGTTG	CTCGGCAAC	GGCCTGGTC1	GTGCCAAGTG	TTTGCTG
•					
-	160		180	190	200
ACGCAA	CCCCACT	GGCTGGGGC	TTGGCCATAG	GCCATCAGCG	CATGCGT
				•	
662266	210	220	230	240	250
GGAACC	TTTGTGGC:	rccrcrgcc(GATCCATACT	GCGGAACTCC	TAGCCGC
	260	270	000		
ጥ ጥር ጥጥቦ		270 2000	280 ·	290	300
IIGIII.	rocicocac	3CCGG1C1G(BAGCAAAGCT(CATCGGAACT	BACAATT
	310	320	330	340	250
CTGTCGT			CATCCTTTCC	340 CATGGCTGCTA	350
				AIGGCIGCIA	10001
	360	370	380	390	400
ACTGCCA				TTTACGTCCC	CTCCCC
		,			CICGC
	410	420	430	440	450
GCTGAAT	CCCGCGGA	CGACCCCTC		TTGGGACTCT	CTCGTC
	460	470	480	490	500
CCCTTCT	CCGTCTGC	CGTTCCAGC	CGACCACGGG	GCGCACCTCT(CTTTAC
				·	
	510	520	530	540	550
GCGGTCT	CCCCGTCTG	FTGCCTTCTC	CATCTGCCGG	rccgtgtgca(TTCGC
_					
	560	570	580	590	600
TTCACCTC	TGCACGTT	'GCATGGAGA	CCACCGTGA	CGCCCATCAG	ATCCT
			•		
	10	620	630	640	650
GCCCAAGG	ACTTACAT.	AAGAGGACT	CTTGGACTCC	CAGCAATGTC	AACGA
_	60	670			
_	60 CACCCCTTA	670	680	690	700.
CCGACCTT	GAGGCCTA	CTTCAAAGA	CIGIGIGITT	'AAGGACTGGG	AGGAG

Figure 5B

Figure 5B continued

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3710	3720	3730	3740	3750
ACGGGGCGCAC	CTCTCTTTACG	CGGTCTCCCC	GTCTGTGCCT:	TOTADTO
3760	3770	3780	3790	3800
GCCGGTCCGTG	IGCACTTCGCT1	CACCTCTGC	ACGTTGCATG	AGACCAC
		•		
3810	3820	3830	3840	3850
CGTGAACGCCCA	ATCAGATCCTGC	CCAAGGTCT	TACATAAGAGG	ACTCTTG
3860	3870	3880	2000	2000
GACTCCCAGCAA			3890	3900
Great Consider	1101CAACGACC	GACCIIGAG	GCCIACI I CAA	AGACIGI
3910	3920	3930	3940	3950
GTGTTTAAGGAC				
	_			
3960	3970	3980	3990	4000
TGTATTAGGAGG	CTGTAGGCATA	AATTGGTCTC	ECGCACCAGCA	CCATGCA
4010	4020	4030	4040	4050
ACTTTTTCACCT	CTGCCTAATCAT	CTCTTGTAC	'ATGTCCCACTO	STTCAAG .
	4454			
4060	4070	4080	4090	4100
CCTCCAAGCTGT	3CC11GGG1GGC	TTTGGGGCA	TGGACATTGAC	CCTTAT
4110	4120	4130	4140	4150
AAAGAATTTGGAG				
				101011
4160	4170	4180	4190	4200
CTTTCCTTCCGTC	AGAGATCTCCT	AGACACCGC	CTCAGCTCTGT	ATCGAG
4210			4240	4250
AAGCCTTAGAGTC	TCCTGAGCATT	GCTCACCTC	ACCATACTGCA	CTCAGG
	4655			
4260	4270	4280	4290	4300
CAAGCCATTCTCT	GC I GGGGGGAA'	TTGATGACTC	TAGCTACCTG	GTGGG
4310	4320	4330	4340	4350
TAATAATTTGGAA				
		2.000HICIA	GIAGICAAIIA	HIGIIA
4360	4370	4380	4390	4400
ATACTAACATGGG				
			 	
4410	4420	4430	4440	4450
TGCCTTACTTTTGC	GAAGAGAGACTO	TACTTGAAT	ATTTGGTCTCT	TTCGG
4460		4480	4490	
AGTGTGGATTCGC.	ACTCCTCCAGC(LTATAGACCA	ACCAAATGCCCC	יףי

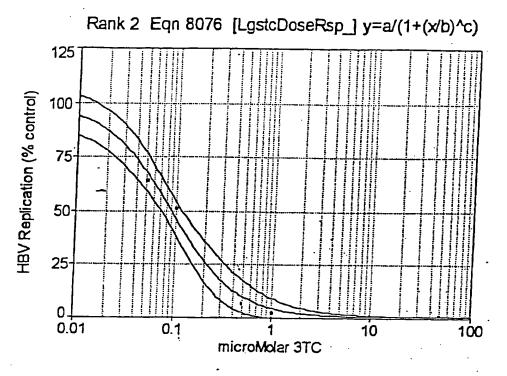


Figure 6A

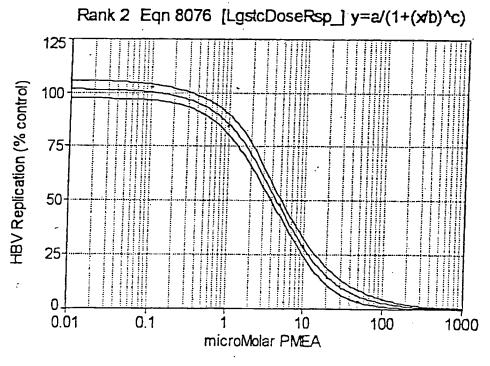


Figure 6B

15.00 15.00

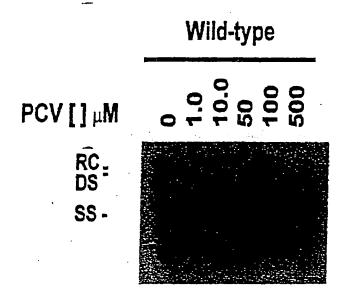


Figure 6C

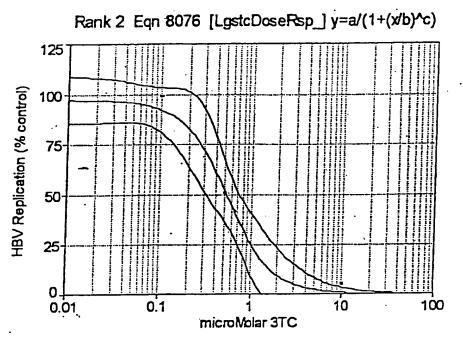


Figure 7A

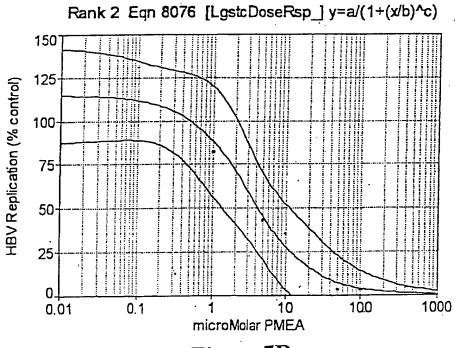


Figure 7B

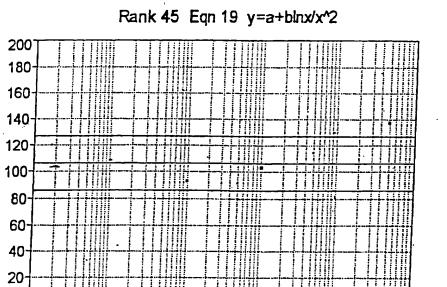


Figure 7C

1 10 microMolar PCV

100

1000

--

HBV Replication (%Control)

0.01

0.1

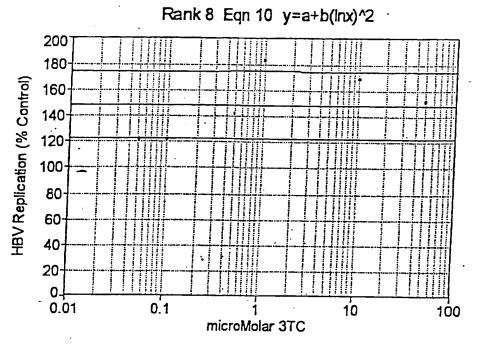


Figure 8A

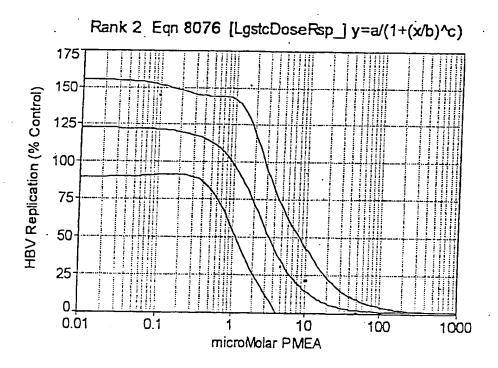
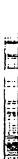


Figure 8B



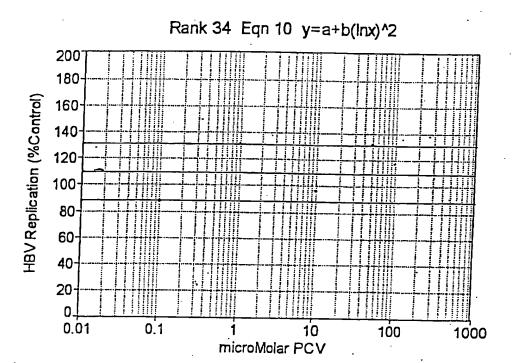


Figure 8C

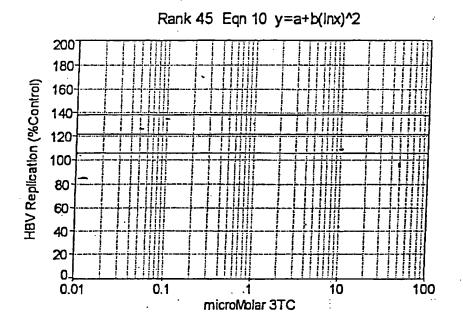


Figure 9A

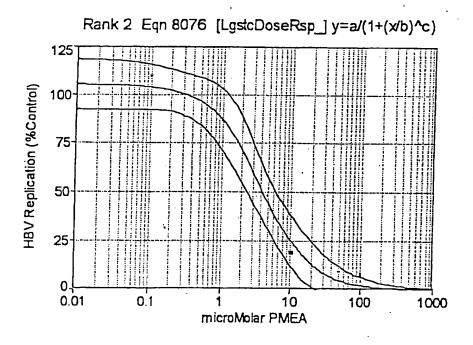


Figure 9B

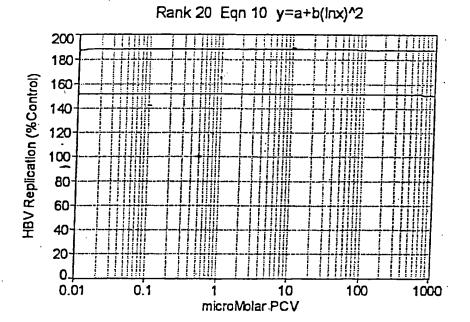


Figure 9C

Cold dCTP Competition

Rank 2 Eqn 8076 [LgstcDoseRsp_] y=a/(1+(x/b)^c)

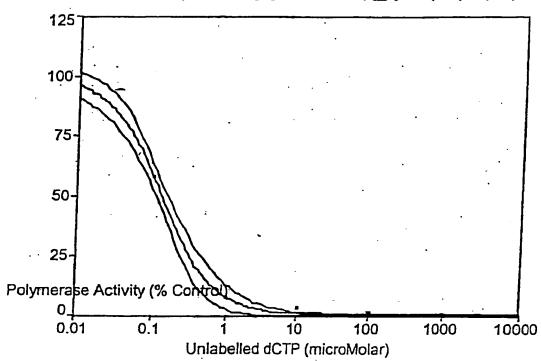


Figure 10

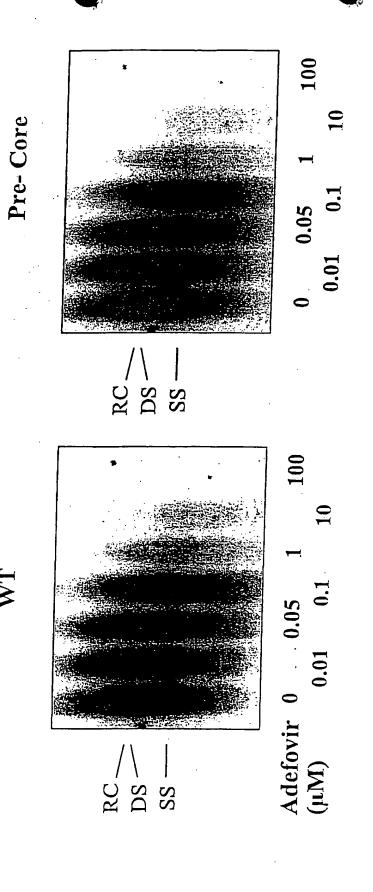


Figure 11A

-



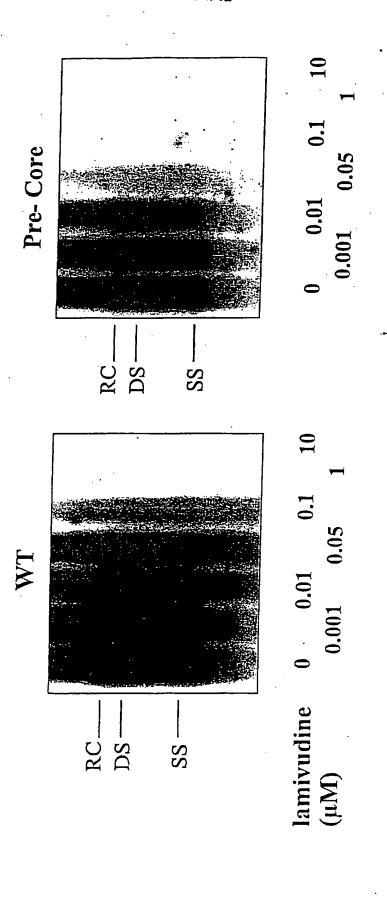


Figure 11B

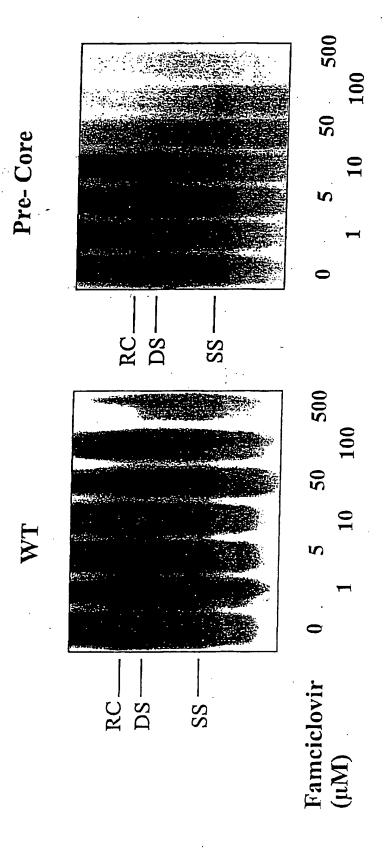
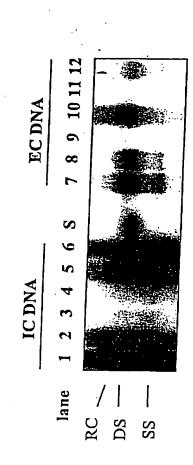


Figure 11C





- Standard

- Wild type (HBV x 1.3)

- pre-core

- M550I

- L526M/M550V

- pre-core/M5501

- pre-core/L526M/M550V

Lane 6 & 12

Lane 5 & 10

Lane 4 & 11

Lane 2 & 8

Lane 1 & 7

Lane 3 & 9

Figure 12

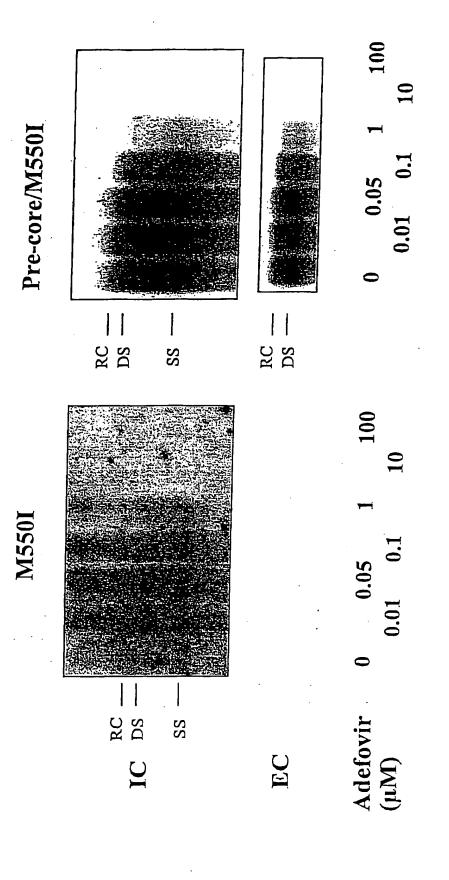


Figure 13A

CANADA MALAL LAL H.

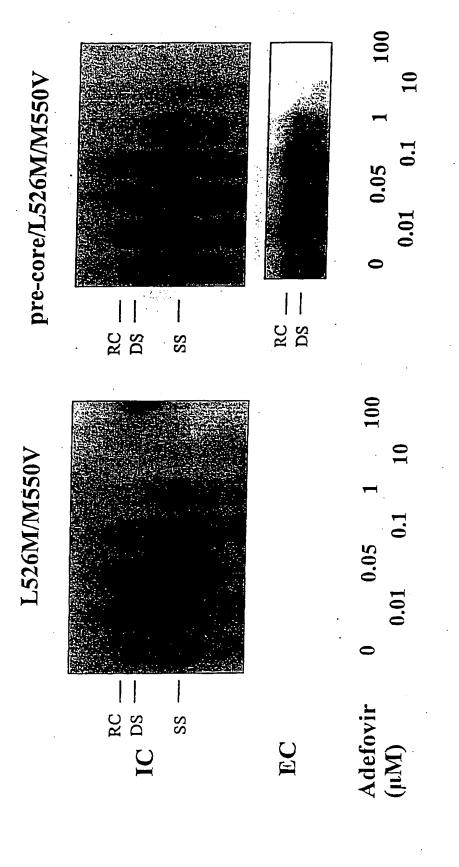


Figure 13B

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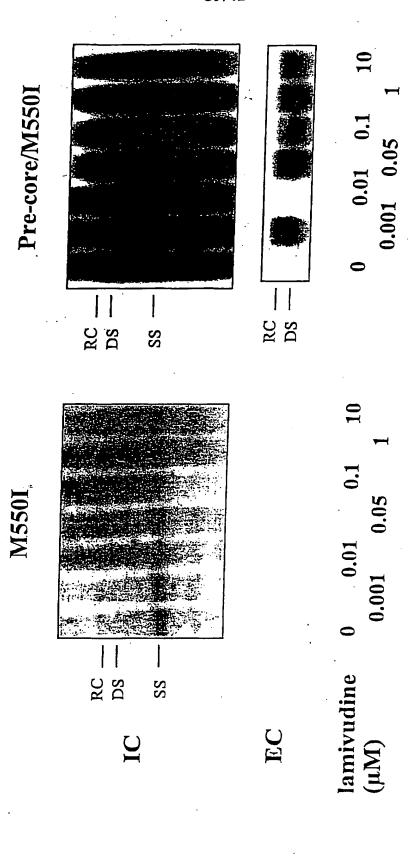


Figure 13C

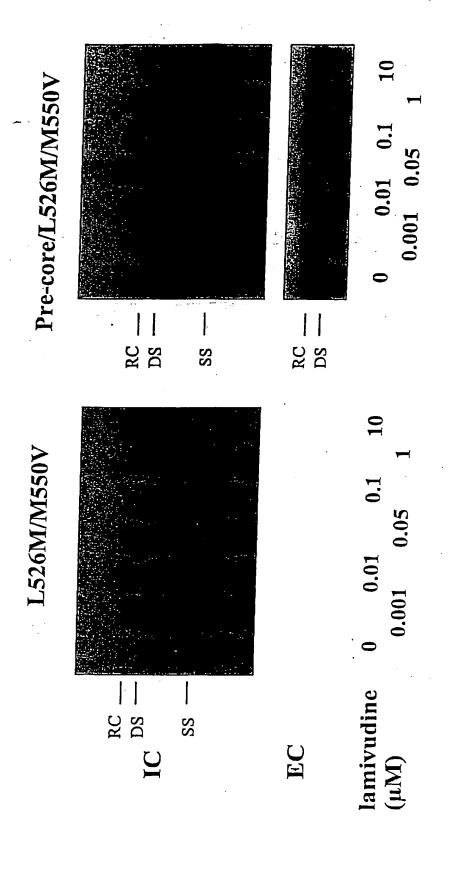


Figure 13D

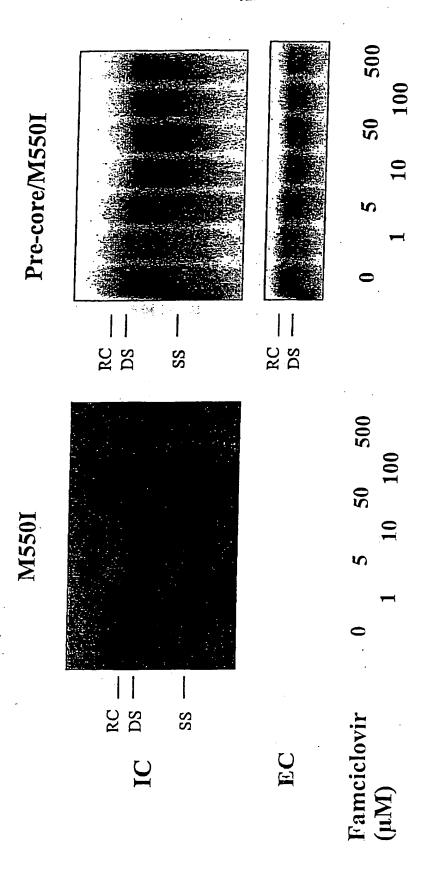


Figure 13E

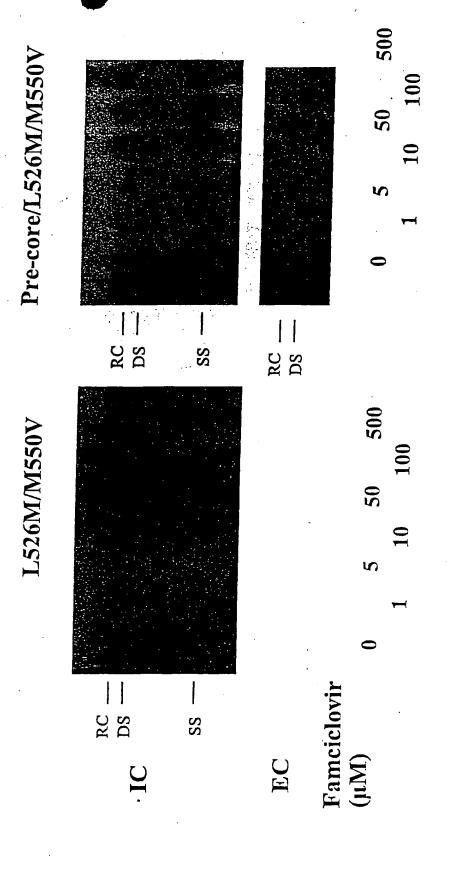


Figure 13F